



# RHODORSIL® EMULSION E 1 P

December 1996

TECHNICAL DATA SHEET  
Cancel and replace SIL 94 217 3

<b>Description</b>	<b>RHODORSIL EMULSION E 1 P</b> is an oil in water emulsion containing 35 % of a silicone oil. It can be used in many industries.
<b>Advantages</b>	<ul style="list-style-type: none"> <li>• High resistance to heat : no thermal degradation which might leave carbonaceous residues.</li> <li>• High chemical inertness.</li> <li>• High water-repellent properties (glass industry).</li> <li>• Complete incompatibility with some organic materials.</li> <li>• Good lubricating properties.</li> <li>• Good softening effect (textile industry).</li> </ul>
<b>Applications</b>	<ul style="list-style-type: none"> <li>• Mould release of technical rubber, tyres, plastics as well as foundry materials.</li> <li>• Lubricant for web-offset printing.</li> <li>• Silky sheen for furs.</li> <li>• Softener in textile finish formulations.</li> <li>• Water-repellent and antiadherent for industrial glassware.</li> <li>• Constituent of maintenance product and polishes: floors, furniture, leather, lubricating, anti-mottling and brightening agent in the printing industry.</li> </ul>
<b>Properties</b>	<ul style="list-style-type: none"> <li>• Appereance..... milky liquid</li> <li>• Viscosity of the base fluid at 25°C, mm<sup>2</sup>/s, approx..... 300</li> <li>• Specific gravity at 25°C, approx..... 1.0</li> <li>• pH, approx..... 6 to 8</li> <li>• Solvent..... none</li> <li>• Dry content, %, approx..... 40</li> <li>• Silicone content, %, approx..... 35</li> </ul>
<b>Processing</b>	As a release agent, <b>RHODORSIL EMULSION E 1 P</b> should be applied to clean surfaces in dilutions to 30-100 times its volume by spraying, padding, or brushing. It is applicable to hot surfaces (up to 250°C). Add the water in the emulsion (hardness of water < 250 ppm as CaCO <sub>3</sub> ).

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**Processing**  
(cont.)

In the textile industry, **RHODORSIL EMULSION E 1 P** may be used as follows:

- for softening effect as an additive to finish formulations.- as a lubricant, after addition to sizing formulae provided that it should be compatible with other constituents of the formula; after treatment, drying occurs in the usual conditions, without polymerisation.
- as a brightener for natural or synthetic furs. The treatment is made using spray or lick roll techniques, and drying occurs in the usual conditions: a glossy appearance is thus obtained. **RHODORSIL EMULSION E 1 P** gives no water repellency to the substrates.

The quantity of **RHODORSIL EMULSION E 1 P** used will depend upon the desired effect and properties.

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**Storage and shelf life**

When stored in its original unopened packaging at a temperature of between +2 and + 30°C, **RHODORSIL EMULSION E 1 P** may be stored for up to 12 months from its date of manufacture (expiry date). Comply with the storage instructions and expiry date marked on the packaging.

Past this date, Rhodia Silicones no longer guarantees that the product meets the sales specifications.

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**Packaging**

**RHODORSIL EMULSION E 1 P** is supplied in 25 and 200 kg drums and 1000 kg containers.

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**Safety**

Consult the Safety Data Sheet for **RHODORSIL EMULSION E 1P**.

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**Warning to users**

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products.

**RHODIA CHIMIE GUARANTEES THAT ITS PRODUCTS COMPLY WITH ITS SALES SPECIFICATIONS.**

This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use.

Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations.

Users are requested to check that they are in possession of the latest version of this document and RHODIA CHIMIE is at their disposal to supply any additional information.

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